

BOBBY JINDAL
GOVERNOR



HAROLD LEGGETT, Ph.D.
SECRETARY

State of Louisiana
DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

Certified Mail No.: 7004 1160 0003 2552 6752

Agency Interest No. 3165
Activity No.: PER20040022

Mr. Richard D. Bedell
Manager, Louisiana Refining Division
Marathon Petroleum Company LLC
Post Office Box AC
Garyville, Louisiana 70051

RE: Prevention of Significant Deterioration (PSD) Permit, Coker Unit, Gasoline Desulfurization Unit and New Distillate Hydrotreater, Louisiana Refining Division, Marathon Petroleum Company LLC, Garyville, St. John the Baptist Parish, Louisiana

Dear Mr. Bedell:

Enclosed is your modified PSD Permit No. PSD-LA-640(M-1).

Should you have any questions concerning the permit, contact Syed Quadri at 225-219-3123.

Sincerely,

A handwritten signature in black ink, appearing to read "Cheryl", with a long horizontal flourish extending to the right.

Cheryl Sonnier Nolan
Assistant Secretary

10 April 2008

Date

SGQ

c: US EPA Region VI

**AUTHORIZATION TO OPERATE AN EXISTING FACILITY
PURSUANT TO THE PREVENTION OF SIGNIFICANT DETERIORATION
REGULATIONS IN LOUISIANA ENVIRONMENTAL REGULATORY CODE,
LAC 33:III.509**

In accordance with the provisions of the Louisiana Environmental Regulatory Code, LAC 33:III.509,

Marathon Petroleum Company LLC
Post Office Box AC
Garyville, Louisiana 70051

is authorized to construct the project at the Marathon Petroleum Company LLC, Louisiana Refining Division, Garyville Refinery located at

4663 West Airline Highway (Hwy 61)
Marathon Avenue
Garyville
St. John the Baptist Parish, Louisiana

subject to the emissions limitations, monitoring requirements and other conditions set forth hereinafter.

Signed this 10 day of April, 2008.



Cheryl Sonnier Nolan
Assistant Secretary
Office of Environmental Services
Louisiana Department of Environmental Quality

BRIEFING SHEET

**LOUISIANA REFINING DIVISION, COKER UNIT
AGENCY INTEREST NO. 3165
MARATHON PETROLEUM COMPANY LLC
GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA
PSD-LA-640(M-1)**

PURPOSE

To modify a PSD permit for the Louisiana Refining Division, a refinery at Garyville.

RECOMMENDATION

Approval of the proposed construction and issuance of a permit.

REVIEWING AGENCY

Louisiana Department of Environmental Quality
Office of Environmental Services
Air Permits Division

PROJECT DESCRIPTION

MPC proposes to update the permitted emissions in the existing PSD Permit No. PSD-LA-640 dated October 21, 1999. No modification is being undertaken at this time at the facility.

The updates are as follows:

1. Permitting all the heaters/boilers based on High Heating Value (HHV) in contrast to the current permitted emissions based on Low Heating Value;
2. Permitting heaters/boilers based on H₂S concentration of 25 ppmv in contrast to the current permitted emissions based on H₂S concentration of 160 ppmv;
3. Permitting heaters/boilers based on stack test data where applicable;
4. Coker Charge Heater emissions based on an Administrative Amendment dated September 27, 2001, which included the routing of disulfide off-gas from the new adjoining Merox Unit which was inadvertently omitted in the previous analysis;
5. A cap is being established for all the combustion sources, Emission Point 133-00, except for the sources under the GME project; and
6. A cap is being established for all the thermal oxidizers, Emission Point TOC.

BRIEFING SHEET

LOUISIANA REFINING DIVISION, COKER UNIT
AGENCY INTEREST NO. 3165
MARATHON PETROLEUM COMPANY LLC
GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA
PSD-LA-640(M-1)

The changes in emissions in tons per year are as follows:

From Heaters/Boilers (See specific condition for details)

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
SO ₂	232.82	194.47	- 38.35

From Thermal Oxidizers (See specific Condition for details)

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
SO ₂	398.52	398.54	+ 0.02

The above changes are not due to any modification at the facility.

Under PSD regulations' Best Available Control Technology (BACT) analysis is required for the emissions units or equipment that are being physically modified or are new and emit pollutants that increase above the significance levels. In this case the BACT remains the same as there is no modification undertaken at this time.

TYPE OF REVIEW

The permit is being modified to incorporate the updates due to calculation methodology, update SO₂ emissions based on the conducted for the Coker Charge Heater on April 4, 2002 and March 6, 2003. The selection of control technology based on the BACT analysis determined in the current permit remains the same.

BEST AVAILABLE CONTROL TECHNOLOGY

Control of SO₂ emissions was analyzed earlier using a "top down" approach for each affected unit under the previous project. The current BACT analysis remains the same as there is no modification undertaken at the facility. A dispersion modeling based on the current emission limits indicated that the National Ambient Air Quality Standards were not exceeded.

Thermal Oxidizer/Sulfur Recovery Plant of the Coker Unit utilizes an amine based scrubber (Claus/MDEA) to absorb sulfur compounds. The Claus/MDEA process was determined as BACT for the Thermal Oxidizer, Emission Point 12-00, which shall comply with all the applicable New Source Performance Standards (NSPS), Subpart J – Standards of Performance for Petroleum Refineries.

BRIEFING SHEET

**LOUISIANA REFINING DIVISION, COKER UNIT
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PSD-LA-640(M-1)**

Other affected heaters/reboilers use natural gas, refinery fuel gas, or a combination of the two. Use of low sulfur fuel was determined as BACT for the heaters/reboilers; they shall comply with all the applicable requirements of NSPS, Subpart J – Standards of Performance for Petroleum Refineries.

The selection of best control technology based on the BACT analysis included consideration of control of toxic emissions.

AIR QUALITY IMPACT ANALYSIS

PSD regulations require an analysis of existing air quality for those pollutants emitted in significant amounts from a proposed facility.

It was determined that the SO₂ emission increase did not exceed its significance levels; therefore, National Ambient Air Quality Standards (NAAQS) and PSD Increment analyses are not required.

ADDITIONAL IMPACTS

The refinery is not located within 100 km of a Class I area. the change in SO₂ emission will not adversely affect any soils, vegetation, or visibility. Additional secondary growth effects included an estimated 50 permanent jobs due the project at that time.

PROCESSING TIME

Application Dated:	May 7, 2004
Application Updated:	-
Effective Completeness:	June 11, 2007

PUBLIC NOTICE

A notice is not required to permit a minor modification under the PSD requirements at a Part 70 facility.

PRELIMINARY DETERMINATION SUMMARY

LOUISIANA REFINING DIVISION, COKER UNIT

AGENCY INTEREST NO. 3165

MARATHON PETROLEUM COMPANY LLC

GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA

PSD-LA-640(M-1), JUNE 11, 2007

I. APPLICANT

Marathon Petroleum Company LLC
Post Office Box AC
Garyville, Louisiana 70051

II. LOCATION

The Louisiana Refining Division (Marathon Refinery) is located at 4663 West Airline Highway, Garyville, Louisiana 70051; approximate UTM coordinates are 731 kilometers East and 3327 kilometers North, Zone 15.

III. PROJECT DESCRIPTION

MPC proposes to update the permitted emissions in the existing PSD Permit No. PSD-LA-640 dated October 21, 1999. No modification is being undertaken at this time at the facility.

The updates are as follows:

1. Permitting all the heaters/boilers based on High Heating Value (HHV) in contrast to the current permitted emissions based on Low Heating Value;
2. Permitting heaters/boilers based on H₂S concentration of 25 ppmv in contrast to the current permitted emissions based on H₂S concentration of 160 ppmv;
3. Permitting heaters/boilers based on stack test data where applicable;
4. Coker Charge Heater emissions based on an Administrative Amendment dated September 27, 2001 which included the routing of disulfide off-gas from the new adjoining Merox Unit which was inadvertently omitted in the previous analysis;
5. A cap is being established for all the combustion sources, Emission Point 133-00, except for the sources under the GME project; and
6. A cap is being established for all the thermal oxidizers, Emission Point TOC

PRELIMINARY DETERMINATION SUMMARY
LOUISIANA REFINING DIVISION, COKER UNIT
AGENCY INTEREST NO. 3165
MARATHON PETROLEUM COMPANY LLC
GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA
PSD-LA-640(M-1), JUNE 11, 2007

The changes in emissions in tons per year are as follows:

From Heaters/Boilers:

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
SO ₂	232.82	194.47 *	- 38.35

* Cap Emission point No. 133-00

From Thermal Oxidizers:

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
SO ₂	398.52	398.54 **	+ 0.02

** Cap Emission Point No. TOC

The above changes are not due to any modification at the facility.

Under PSD regulations' Best Available Control Technology (BACT) analysis is required for the emissions units or equipments that are being physically modified or are new and emit pollutants that increase above the significance levels. In this case the BACT remains the same as there is no modification undertaken at this time.

IV. SOURCE IMPACT ANALYSIS

A proposed net increase in the emission rate of a regulated pollutant above de minimis levels for proposed major sources requires review under PSD regulations, 40 CFR 52.21. PSD permit reviews of proposed new or modified major stationary sources require the following analyses:

- A. A determination of the Best Available Control Technology (BACT);
- B. Analysis of the existing air quality and a determination of whether or not preconstruction or postconstruction monitoring will be required;
- C. An analysis of the source's impact on total air quality to ensure compliance with the National Ambient Air Quality Standards (NAAQS);
- D. An analysis of the PSD increment consumption;
- E. An analysis of the source related growth impacts;

PRELIMINARY DETERMINATION SUMMARY

LOUISIANA REFINING DIVISION, COKER UNIT AGENCY INTEREST NO. 3165 MARATHON PETROLEUM COMPANY LLC GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA PSD-LA-640(M-1), JUNE 11, 2007

- F. An analysis of source related impacts on soils, vegetation, and visibility;
- G. A Class I Area impact analysis; and
- H. An analysis of the impact of toxic compound emissions.

A. BEST AVAILABLE CONTROL TECHNOLOGY

Under current PSD regulations, an analysis of "top down" BACT is required for the control of each regulated pollutant emitted from a new major source in excess of the specified significant emission rates. The top down approach to the BACT process involves determining the most stringent control technique available for a similar or identical source. If it can be shown that this level of control is infeasible based on technical, environmental, energy, and/or cost considerations, then it is rejected and the next most stringent level of control is determined and similarly evaluated. This process continues until a control level is arrived at which cannot be eliminated for any technical, environmental, or economic reason. A technically feasible control strategy is one that has been demonstrated to function efficiently on identical or similar processes.

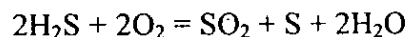
SO₂ emissions were above PSD de minimis levels for the project at that time. The previous BACT analysis remains the same as no modification is being undertaken at the facility. Control of SO₂ emissions was analyzed using a "top down" approach.

BACT Analysis for SO₂ from Thermal Oxidizer/Sulfur Recovery Plant

Wellman-Lord Process: This process was rejected as it is no longer in use due to excessive capital, toxic waste disposal, and operating/maintenance costs.

Beavon-Stretford Process: This process was rejected as it utilizes open vessels, has high fugitive emissions, and costs more to build and operate.

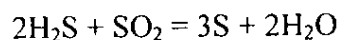
Claus/MDEA Process: The Claus/MDEA process utilizes an amine scrubber to absorb the sulfur compounds. The H₂S stream is burned in a furnace producing water, SO₂ and sulfur. The sulfur is formed because the oxygen admitted to the furnace is limited to one third the amount needed (stoichiometric) to make all SO₂.



The remainder of the H₂S is mixed with the combustion products of the previous reaction and passed over a catalyst. The H₂S reacts with the SO₂ to form sulfur.

PRELIMINARY DETERMINATION SUMMARY

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The sulfur drops out of the reaction vessel in the molten form. Claus plants convert 99.9% of the H_2S to sulfur. The remaining H_2S , if any, is redirected to the thermal oxidizer for final treatment.

Claus/MDEA as BACT: This process was determined as BACT as the amine scrubber is more efficient at H_2S absorption, utilizes closed vessels and heat exchangers, generates less fugitive emissions, costs less to build, has less operating/maintenance costs, but requires more energy in the form of steam for the regenerator. Steam required by this process is readily available at the refinery.

BACT Analysis for SO_2 from Heaters/Reboilers

Flue Gas Desulfurization: This technology was rejected as the refinery uses refinery fuel gas (gaseous fuel), natural gas or any combination of the two as fuel in the heaters/reboilers. These fuels have a H_2S concentration of less than 25 ppm,; therefore, flue gas desulfurization is considered as infeasible.

Gaseous Fuel as BACT: The refinery fuel gas, natural gas, or a combination of the two was determined as BACT. The primary fuel for the heaters/reboilers is refinery fuel gas, natural gas, or a combination of the two. Due to the low sulfur content of these fuels (25 ppmv H_2S), SO_2 emissions are very low. The central fuel gas system is equipped with monitors to continuously monitor the H_2S concentration of the fuel gas being fed to the heater/reboilers to ensure low SO_2 emissions.

B. ANALYSIS OF EXISTING AIR QUALITY

PSD regulations require an analysis of existing air quality for the impacts of those pollutant emissions which increase significantly from a proposed major source. SO_2 is the pollutant of concern in this case.

Air Dispersion modeling of SO_2 emissions from the facility with updated emissions indicated that the 3-hour, 24-hour, and annual SO_2 concentrations of 12.4 ug/m^3 , 2.53 ug/m^3 and 0.24 ug/m^3 are below the minimum significance levels of 25 ug/m^3 , 5.0 ug/m^3 , and 1.0 ug/m^3 , respectively. Preconstruction monitoring, increment analysis, and refined modeling were not required (See Table II, Air Quality Analysis Summary, Pg. 18).

PRELIMINARY DETERMINATION SUMMARY

**LOUISIANA REFINING DIVISION, COKER UNIT
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C. NATIONAL AMBIENT AIR QUALITY STANDARDS (NAAQS) ANALYSIS

Refined and Preconstruction modeling was not required for SO₂ emissions.

D. PSD INCREMENT ANALYSIS

PSD Increment analysis was not required for SO₂ emissions.

E. SOURCE RELATED GROWTH IMPACTS

There will not be any effect on residential growth or industrial/commercial development.

F. SOILS, VEGETATION, AND VISIBILITY IMPACTS

There was no significant impact on area soils, vegetation, or visibility.

G. CLASS I AREA IMPACTS

Breton National Wildlife Area, the nearest Class I area, is more than 100 kilometers from the site, precluding any significant impact.

H. TOXIC IMPACT

The selection of control technology based on the BACT analysis included consideration of control of toxic emissions.

V. CONCLUSION

The Department of Environmental Quality - Office of Environmental Services has made a preliminary determination to approve the PSD permit modification for MPC, Louisiana Refining Division, located in Garyville, St. John the Baptist Parish, Louisiana, subject to the attached specific and general conditions. In the event of a discrepancy in the provisions found in the application and those in this Preliminary Determination Summary, the Preliminary Determination Summary shall prevail.

SPECIFIC CONDITIONS

LOUISIANA REFINING DIVISION, COKER UNIT
AGENCY INTEREST NO. 3165
MARATHON PETROLEUM COMPANY LLC
GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA
PSD-LA-640(M-1), JUNE 11, 2007

This permit is issued under the following conditions:

1. The permittee is authorized to operate in conformity with the specifications submitted to the Louisiana Department of Environmental Quality (LDEQ) as analyzed in LDEQ's document entitled "Preliminary Determination Summary," dated June 11, 2007, and subject to the following emission limitations and other specific conditions. Specifications submitted are contained in the application and Emission Inventory Questionnaire (EIQ) dated May 7, 2004.

MAXIMUM ALLOWABLE EMISSION RATES FOR SO ₂				
EMISSION POINT	DESCRIPTION	OPERATING CAPACITY	MAX. LB/HR	TPY
1-00	Coker Heater	353.50 MM BTU/hr	30.62	*
12-00	Thermal Oxidizer No. 3	41.60 MM BTU/hr	56.86	**
14-00	Sulfur Plant No. 3 Fugitives	NA	0.01	0.04
2-74	Crude Heater	404.20 MM BTU/hr	11.71	*
3-74	Crude Heater	404.20 MM BTU/hr	11.71	*
10-74	LGO HC Charge Heater	137 MM BTU/hr	3.97	*
11-74	LGO HC Stripper Reboiler	97.10 MM BTU/hr	2.82	*
12-74	HGO HC Charge Heater	174.70 MM BTU/hr	5.06	*
13-74	HGO HC Stripper Reboiler	97 MM BTU/hr	2.81	*
14-74	Thermal Oxidizer No. 1	41.60 MM BTU/hr	56.86	**
70-74	Thermal Oxidizer No. 2	41.60 MM BTU/hr	56.86	**
85-74	HF Alky Main Fractionator Reboiler	388.20 MM BTU/hr	10.67	*
102-90	Deasphalting Heater	282.40 MM BTU/hr	8.18	*
107-90	Marine Loading Vapor Combustor	50,000 bbl/hr	1.31	***
111-91	Boiler No. 1	485.10 MM BTU/hr	14.06	*

* The emissions are reported under an emission cap, Emission Point 133-00, with a limit of 194-47 tons per year

** The emissions are reported under an emission cap, Emission Point TOC, having a limit of 398.54 tons per year

*** The emissions are reported under an emission cap, Emission Point MVCC, having a limit of 3.69 tons per year

SPECIFIC CONDITIONS

**LOUISIANA REFINING DIVISION, COKER UNIT
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2. The process heaters, Emission Points 1-00, 12-00, 2-74, 3-74, 10-74, 11-74, 12-74, 13-74, 14-74, 70-74, 85-74, and 102-90, shall comply with all the applicable provisions of NSPS, 40 CFR 60, Subpart J – Standards of Performance for Petroleum Refineries.
3. Deasphalting Heater, Emission Point 102-90, shall comply with all the applicable provisions of NSPS, 40 CFR 60, Subpart Db – Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units and NSPS, 40 CFR 60, Subpart J – Standards of Performance for Petroleum Refineries.

SPECIFIC CONDITIONS

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 MARATHON PETROLEUM COMPANY LLC
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 PSD-LA-640(M-1), JUNE 11, 2007

TABLE I: BACT COST SUMMARY

Heaters/Reboilers	Availability/ Feasibility	Negative Impacts (a)	Control Efficiency % or ppmv	Emissions Reduction (TPY)	Annualized Cost (\$)	Cost Effectiveness (\$/Ton)	Notes
SO ₂	Yes/Yes	None	160 ppmv				Chosen as BACT
Low Sulfur Refinery Fuel Gas - 25 ppmv of H ₂ S							
Flue Gas Desulfurization	Yes/No	Low Sulfur fuel gas	90 %				
Thermal Oxidizer/Sulfur Recovery Unit	Availability / Feasibility	Negative Impacts (a)	Control Efficiency %	Emissions Reduction (TPY)	Annualized Cost (\$)	Cost Effectiveness (\$/Ton)	Notes
SO ₂	Yes/Yes	Toxic Waste					
Wellman-Lord Process	Yes/Yes	Caustic based					
Beavon-Stretford Process	Yes/Yes	Existing	<10 ppmv of H ₂ S				Chosen as BACT
Claus/MDEA Process (Existing)	Yes/Yes						
Notes:	The NESHAP, 40 CFR 63, Subpart UUU, which is considered as MACT, proposes the Claus/MDEA process. The SO ₂ emissions are restricted to < 300 ppmv at 0% oxygen.						

SPECIFIC CONDITIONS

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TABLE II: AIR QUALITY ANALYSIS SUMMARY ($\mu\text{g}/\text{m}^3$)

Pollutant	Averaging Period	Preliminary Screening Conc.	Significant Monitoring Conc.	Current Monitored Conc.	Level of Significant Impact	Maximum Modeled Conc.	Modeled + Background Conc.	NAAQS	Modeled PSD Increment Consumption	Allowable Class II PSD Increment
SO ₂	3-Hour	12.40	NR	NR	25	NR	NR	1300	NR	512
	24-Hour	2.53	13	NR	5	NR	NR	365	NR	91
	Annual	0.24	NR	NR	1	NR	NR	80	NR	20
NR = Not Required										
NAAQS = National Ambient Air Quality Standards										

SPECIFIC CONDITIONS

LOUISIANA REFINING DIVISION, COKER UNIT
 AGENCY INTEREST NO. 3165
 MARATHON PETROLEUM COMPANY LLC
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TABLE III: SUMMARY OF PROPOSED BACT

Source Description	Pollutant	Most Feasible BACT Selected
Process Heater/Reboiler	SO ₂	Low Sulfur Refinery Fuel Gas – 25 ppmv H ₂ S (Annual Average)
Thermal Oxidizer/Sulfur Recovery Unit	SO ₂	99.9% Sulfur Conversion Efficiency 99.5% TGTU Thermal Oxidizer Conversion Efficiency <93.41 ppmv SO ₂ on Dry Basis at Outlet (0% Oxygen) Good Work Practices

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated February 22, 2008; as well as additional information as of March 31, 2008.
- IV. This permit shall become invalid, for the sources not constructed, if:
 - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
 - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.

The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.

This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.
- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Enforcement Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Enforcement Division with a written report as specified below.
- A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 - B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
 - C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
 - 1. Report by June 30 to cover January through March
 - 2. Report by September 30 to cover April through June
 - 3. Report by December 31 to cover July through September
 - 4. Report by March 31 to cover October through December

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- D. Each report submitted in accordance with this condition shall contain the following information:
1. Description of noncomplying emission(s);
 2. Cause of noncompliance;
 3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
 4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
 5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.
- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
 - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
 - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
 - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.
- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.

- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services in accordance with LAC 33:I.Chapter 19.Facility Name and Ownership/Operator Changes Process.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
 2. Be less than the minimum emission rate (MER)
 3. Be scheduled daily, weekly, monthly, etc., or
 4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.

- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

- XIX. For Part 70 sources, certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.



AIR PERMIT ROUTING/APPROVAL SLIP-Permits



AI No.	3165	Company	MARATHON PETROLEUM G. LLC	Date Received	5/7/2004
Activity No.	PER 2004-0022	Facility	LA REFINING DIV.	Permit Type	PSD/MINR MOD
CDS No.		Permit No.	PSD-LA-640(M-1)	Expedited Permit	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no

1. Technical Review	Approved	Date rec'd	Date FW	Comments
Permit Writer	<i>SGQ</i>	<i>SS</i>	6/8/07	
Air Quality / Modeling	<i>ym</i>		6/11/07	
Toxics				
PSD/NNSR	<i>K/A</i>		4/19/08	<i>no noted</i>
Technical Advisor				
Supervisor				
2. Management Review (if PN req'd)	Approved	Date rec'd	Date FW	Comments
Supervisor				
Manager				
Assistant Secretary (PN)				
3. Response to Comments (if PN req'd)	Approved	Date rec'd	Date FW	Comments
Supervisor				
Manager				
Administrator				
Legal (BFD)				
4. Final Approval	Approved	Date rec'd	Date FW	Comments
Supervisor				
Manager				
Assistant Secretary	<i>CSN</i>		10 April 08	

1. Technical Review					
PN of App needed	<input type="checkbox"/> yes <input type="checkbox"/> no	Date of PN of App		Newspaper	
Fee paid	<input type="checkbox"/> yes <input type="checkbox"/> no				
NPS applies	<input type="checkbox"/> yes <input type="checkbox"/> no	PSD/NNSR applies	<input type="checkbox"/> yes <input type="checkbox"/> no	NESHAP applies	<input type="checkbox"/> yes <input type="checkbox"/> no

2. Post-Technical Review					
Company technical review	<input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> n/a	E-mail date		Remarks received	<input type="checkbox"/> yes <input type="checkbox"/> no
Surveillance technical review	<input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> n/a	E-mail date		Remarks received	<input type="checkbox"/> yes <input type="checkbox"/> no

3. Public Notice					
Public Notice Required	<input type="checkbox"/> yes <input type="checkbox"/> no				
Library					
PN newspaper 1/City	<i>The Advocate/Baton Rouge</i>	PN Date			
PN newspaper 2/City		PN Date			
Company notification letter sent	Date mailed				
EPA PN notification e-mail sent	Date e-mailed				
OES PN mailout	Date				

4. Final Review					
Public comments received	<input type="checkbox"/> yes <input type="checkbox"/> no	EPA comments rec'd	<input type="checkbox"/> yes <input type="checkbox"/> no	Date EPA Resp to Comments-mailed	
Company comments received	<input type="checkbox"/> yes <input type="checkbox"/> no	PN info entered into Permit Sec VI	<input type="checkbox"/> yes <input type="checkbox"/> no	Date EPA approved permit	

Comments	
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